

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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## Material : Nitrile Butadiene Rubber

**Spareage Code : NT4B FG      Colour : Green.**

### Grade : Rubber for Food Contact Applications.

1) *Spareage Food Grade Compounds were successfully tested at IRMRA [A NABL(ISO-17025-2005) Accredited Laboratory] referring to US-FDA-177-2600.Clause(F).*

2) *All ingredients used in forming the compounds are from the reputed suppliers & food grade certified.*

Revision date : 01/10/2011

Physical properties	nominal	actual	units
As per BS 5176, Grade-I			
<b>Hardness</b> BS 903 A 26, 23 °C	70-75	72	Shore A
<b>Tensile strength</b> BS 903 A 2, 23 °C	> 102	158	Kg/Cm <sup>2</sup>
<b>Elongation at break</b> BS 903 A 2, 23 °C	> 250	450	%
<b>Compression set</b> BS 903 A 6, 100 °C, 22 h, 25 %	< 50	32	%
<b>Air Ageing</b> BS 903 A 19, 100 °C, 70 h			
<b>Hardness Change</b>	<(±15)	4	Points
<b>Tensile Change</b>	<(±30)	-14.5	%
<b>Elongation Change</b>	<(-50)	-17.7	%
<b>Fluid Resistance, ASTM Oil-3</b> BS 903 A 16, 100 °C, 70 h			
<b>Volume Change</b>	-0 to +40	18	%
<b>Specific Gravity</b> BS 903 A 1, 23 °C	---	1.22	Gm/cc
<b>Ash Content</b> 800°C, 2 Hrs	---	7.58	%